



318634

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 1 - SITE INFORMATION AND ASSESSMENT		I. IDENTIFICATION	
		01 STATE TN	02 SITE NUMBER D005462601
II. SITE NAME AND LOCATION			
01 SITE NAME (Legal, common, or descriptive name of site) Indiana Harbor Wks., J & L Steel Corp.		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER 3001 Dickey Rd.	
03 CITY East Chicago	04 STATE IN	05 ZIP CODE 46312	06 COUNTY Lake
07 COORDINATES LATITUDE 41° 38' 55" N LONGITUDE 087° 28' 00" W		08 COUNTY CODE 89	09 CONG DIST 1
10 DIRECTIONS TO SITE (Starting from nearest public road) From the Indianapolis toll road, go north on Indianapolis Blvd. to State Rte. 912. Go east on 912 to Dickey Rd. Go right on Dickey, about 1/4 mile to site.			
III. RESPONSIBLE PARTIES			
01 OWNER (if known) Jones & Laughlin Steel Corp.		02 STREET (Business, mailing, residential) 900 Agnew	
03 CITY Pittsburg	04 STATE PA	05 ZIP CODE 15227	06 TELEPHONE NUMBER (412) 884-1000
07 OPERATOR (if known and different from owner) C. Broman, Supt. Env. Control		08 STREET (Business, mailing, residential) 3001 Dickey Rd.	
09 CITY East Chicago	10 STATE IN	11 ZIP CODE 46312	12 TELEPHONE NUMBER (219) 391-2330
13 TYPE OF OWNERSHIP (Check one) <input checked="" type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER _____ (Specify) <input type="checkbox"/> G. UNKNOWN			
14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply) <input checked="" type="checkbox"/> A. RCRA 3001 DATE RECEIVED: 8/18/80 <input checked="" type="checkbox"/> B. UNCONTROLLED WASTE SITE (CERCLA 103) DATE RECEIVED: 6/9/81 <input type="checkbox"/> C. NONE <small>MONTH DAY YEAR MONTH DAY YEAR</small>			
IV. CHARACTERIZATION OF POTENTIAL HAZARD			
01 ON SITE INSPECTION <input checked="" type="checkbox"/> YES DATE: 7/27/77 <input type="checkbox"/> NO DATE: 12/16/82 <small>MONTH DAY YEAR MONTH DAY YEAR</small>		BY (Check all that apply) <input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input checked="" type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input checked="" type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ (Specify)	
CONTRACTOR NAME(S): _____			
02 SITE STATUS (Check one) <input checked="" type="checkbox"/> A. ACTIVE <input type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN		03 YEARS OF OPERATION BEGINNING YEAR: 1970 ENDING YEAR: present <input type="checkbox"/> UNKNOWN	
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED Sludge (toxic, persistent) Bases Heavy metals (toxic, persistent) Oily waste (flammable) Acids (toxic, corrosive, incompatible)			
05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION Groundwater (population, environment) Direct Contact (population, environment) Surface water (population, environment) Fire/Explosion (population, environment) Vapor release (population, environment)			
V. PRIORITY ASSESSMENT			
01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents) <input checked="" type="checkbox"/> A. HIGH (Inspection required promptly) <input type="checkbox"/> B. MEDIUM (Inspection required) <input type="checkbox"/> C. LOW (Inspect on time available basis) <input type="checkbox"/> D. NONE (No further action needed, complete current disposition form)			
VI. INFORMATION AVAILABLE FROM			
01 CONTACT George Oliver 210 7/1/84		02 OF (Agency/Organization) Indiana State Board of Health	
03 TELEPHONE NUMBER (317) 243-5038		04 PERSON RESPONSIBLE FOR ASSESSMENT Steve Gentry	
05 AGENCY LPC		06 ORGANIZATION ISBH	
07 TELEPHONE NUMBER (317) 243-5039		08 DATE 7/13/84 <small>MONTH DAY YEAR</small>	



☐ I. HIGHLY VOLATILE
☐ J. EXPLOSIVE
☐ K. REACTIVE
☐ L. INCOMPATIBLE
☐ M. NOT APPLICABLE



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
IN D005462601

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 0 04 NARRATIVE DESCRIPTION

Geology on this site is poor for attenuation of pollutants. Soils are sandy and highly permeable. There are unlined lagoons and injection wells on site that could contaminate groundwater resources. See Item F.

01 ☒ B. SURFACE WATER CONTAMINATION 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

Surface waters of Lake Michigan and the Grand Calumet River may be contaminated by the migration of pollutants in groundwater. See Item A.

01 ☒ C. CONTAMINATION OF AIR 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 10,000,000 04 NARRATIVE DESCRIPTION

There is potential for air contamination due to the nature of the industry on site, specifically, particulates of fly ash and baghouse dust, which may become airborne.

01 ☒ D. FIRE/EXPLOSIVE CONDITIONS 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: > 1000 04 NARRATIVE DESCRIPTION

Oily wastes are stored in open lagoons. Volatile oils have been found in a manhole and in the ship canal (Nov. 82 & Aug. 80). Neither incident could be directly linked to J & L.

01 ☒ E. DIRECT CONTACT 02 ☒ OBSERVED (DATE: 7/8/81) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 10,000,000 04 NARRATIVE DESCRIPTION

Oil was found leaking out of a PCB labeled transformer and down into the basement of a plant building where an outside contractor was working.

01 ☒ F. CONTAMINATION OF SOIL 02 ☒ OBSERVED (DATE: 1973-1979+) ☒ POTENTIAL ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: ~ 7 (Acres) 04 NARRATIVE DESCRIPTION: numerous occasions

Pickle liquor is disposed of in a shallow pit which is unlined and on sandy soils (approx. 2.5 million gallons/month) H_2SO_4 was dumped on plant property 1600 ft. from Lake Michigan. Terminal lagoon dredgings were "spread" on plant property and disposed of in west acid pits (4/12/78). There are phenols in coke plant sludge deposited on site.

01 ☒ G. DRINKING WATER CONTAMINATION 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: > 139,130 04 NARRATIVE DESCRIPTION

See Items A & B. The drinking water source in this area is Lake Michigan. East Chicago water intakes are within 3 miles of the site.

01 ☒ H. WORKER EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: > 20 04 NARRATIVE DESCRIPTION

See Item E.

01 ☒ I. POPULATION EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 139,130 04 NARRATIVE DESCRIPTION

There is a potential for exposure through drinking water and surface water contamination. In addition, there is a potential for population exposure through consumption of fish from Lake Michigan.



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
IN D005462601

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☒ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL

☐ ALLEGED

See Item F.

01 ☒ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (Include name(s) of species)

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL

☐ ALLEGED

Since this plant is located on the shore of Lake Michigan, there is a substantial potential for contamination of the lake's ecosystem.

01 ☒ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL

☐ ALLEGED

See Item K. Heavy metals entering surface waters may affect the food chain in Lake Michigan.

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES
(Spills/runoff/standing liquids/leaking drums)

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

On 2/26/81, pickle liquor sump overflowed to ground. Injection wells used on site. Acids were found entering waters of Lake Michigan from a broken pipe (6/26/80). PCB leakage on site 7/8/81. There were piles of baghouse dust on site which were not contained or sheltered.

01 ☒ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL

☐ ALLEGED

There is a potential for the migration of groundwater contaminants on site. Potential damage to the Indiana Harbor.

01 ☒ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: 9/19/78)

☒ POTENTIAL

☒ ALLEGED

Stray oil and phenol were found in area of sanitary and storm sewers. Coke plant liquor was discharged to city sewer (12/30/81). There is the potential for infiltration of contaminants to sewers.

01 ☒ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

Discharge was coming underground from the lagoon to pump house. Acids and oils were discharged to Lake Michigan.

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

The plant was often observed as having very poor "housekeeping". There was trash, oil spills, etc. found on site. An acid pit was filled and abandoned by 5/12/81. J & L admitted that their pickle liquor lagoons were not operated according to regulations. Possible onsite storage of PCB.

III. TOTAL POPULATION POTENTIALLY AFFECTED: _____

IV. COMMENTS

This company had numerous air and water emission/effluent violations and appear to operate just inside the law. A RCRA inspection is a top priority.

V. SOURCES OF INFORMATION (Cite specific references, e. g., State files, sample analysis, reports)

ISH files.
E & E, Preliminary Assessment.

EXECUTIVE SUMMARY

Gen, TSD
Part A 80-11-18

Approved
by
Hak Cho
10/12/84

EPA ID# IND005462601

WINDSHIELD SURVEY YES X NO

Original Company Name: Indiana Harbor Wks

Revised Company Name: Indiana Harbor Wks., J & L Steel Corp.

Alias Names: Jones & Laughlin Steel Corp.

Original X Address: 3001 Dickey Rd.

Corrected East Chicago, IN 46312
Lake County

X Landfill X Generator X Treatment, Storage, Disposal (TSD)

 Transporter Other:

PRIORITY ASSESSMENT:

X HIGH MEDIUM LOW NO FURTHER ACTION (NONE)

CLASS:

 I-STATE LEAD

X II-REM/FIT LEAD

 III-REM/FIT LEAD

 IV OTHER:

State Accompanies
FIT

Limited On-site
State Involvement

State Priority Assessment Justification: Geology at the J & L facility is very poor for the attenuation of pollutants. Soils are extremely porous, which creates a substantial potential for contamination of groundwater and nearby surface waters. The J & L Corp. has had numerous unsatisfactory inspection reports and a large number of violations for air and water standards. In addition, J & L has used questionable waste disposal practices on site for many years. For these reasons, a high priority assessment is assigned.

State Comments Re: PA X SI Follow-up SI RPS HRS

Since no monitoring wells exist on site, ground and surface water sampling is needed to confirm the presence of heavy metals and other contaminants. A complete composite of soil samples is needed to ascertain whether or not contamination exceeds acceptable limits. The current status and condition of disposal pits on site needs to be investigated.

STATE INVOLVEMENT

COMPLETE DOCUMENTS:

X Preliminary Assessments
 Site Inspection
 Follow-up Site Inspection
 Responsible Party Search
 Hazard Ranking System (HRS)

REVIEW DOCUMENTS:

 Preliminary Assessments
X Site Inspection
X Follow-up Site Inspection
X Responsible Party Search
X Hazard Ranking System (HRS)

Prepared by: Stephen Gentry

Phone: (317)243-5039

Date: 7/13/84



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
TN D005462601

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER			
Indiana Harbor Wks., J & L Steel Corp.		3001 Dickey Rd.			
03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
East Chicago	IN	46312	Lake	89	1
09 COORDINATES LATITUDE		LONGITUDE			
41° 38' 55"		087° 28' 00"			

10 DIRECTIONS TO SITE (Starting from nearest public road)

From the Indianapolis toll road, go north on Indianapolis Blvd. to State Rte. 912. Go east on 912 to Dickey Rd. Go right on Dickey, about 1/4 mile to site.

III. RESPONSIBLE PARTIES

01 OWNER (if known)		02 STREET (Business, mailing, residential)			
Jones & Laughlin Steel Corp.		900 Agnew			
03 CITY	04 STATE	05 ZIP CODE	06 TELEPHONE NUMBER		
Pittsburg	PA	15227	(412) 884-1000		
07 OPERATOR (If known and different from owner)		08 STREET (Business, mailing, residential)			
C. Broman, Supt. Env. Control		3001 Dickey Rd.			
09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER		
East Chicago	IN	46312	(219) 391-2330		
13 TYPE OF OWNERSHIP (Check one): <input checked="" type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL: _____ (Agency name: _____) <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER: _____ (Specify: _____) <input type="checkbox"/> G. UNKNOWN					

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)

☒ A. RCRA 3001 DATE RECEIVED 8/18/80 ☒ B. UNCONTROLLED WASTE SITE (RCRA 103) DATE RECEIVED 6/9/81 ☐ C. NONE
MONTH DAY YEAR MONTH DAY YEAR

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION		BY (Check all that apply)			
<input checked="" type="checkbox"/> YES DATE 7/27/77		<input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input checked="" type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR			
<input type="checkbox"/> NO DATE 12/16/82		<input checked="" type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ (Specify: _____)			
CONTRACTOR NAME(S): _____					

02 SITE STATUS (Check one)	03 YEARS OF OPERATION
<input checked="" type="checkbox"/> A. ACTIVE <input type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN	BEGINNING YEAR 1970 ENDING YEAR present <input type="checkbox"/> UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED
Sludge (toxic, persistent) Bases
Heavy metals (toxic, persistent)
Oily waste (flammable)
Acids (toxic, corrosive, incompatible)

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION
Groundwater (population, environment) Direct Contact (population, environment)
Surface water (population, environment) Fire/Explosion (population, environment)
Vapor release (population, environment)

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents.)
☒ A. HIGH (Inspection required promptly) ☐ B. MEDIUM (Inspection required) ☐ C. LOW (Inspect on time available basis) ☐ D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NUMBER
George Oliver 210 7/7/84	Indiana State Board of Health	(317) 243-5038
04 PERSON RESPONSIBLE FOR ASSESSMENT	05 AGENCY	06 ORGANIZATION
Steve Gentry	LPC	ISBH
	07 TELEPHONE NUMBER	08 DATE
	(317) 243-5039	7, 13, 84 MONTH DAY YEAR



01 STATE IN	02 SITE NUMBER D005462601
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01 PHYSICAL STATES (Check all that apply)

X E SLURRY
A F LIQUID
L G GAS

L. D. OTHER _____
(Specify)

02 WASTE QUANTITY AT SITE

(Measures of waste quantities must be independent)

TONS _____

CUBIC YARDS _____

NO. OF DRUMS _____

03 WASTE CHARACTERISTICS (Check all that apply)

☒ A TOXIC
☒ B CORROSIVE
☐ C RADIOACTIVE
☒ D PERSISTENT

☒ E SOLUBLE
☐ F INFECTIOUS
☒ G FLAMMABLE
☐ H IGNITABLE

☐ I HIGHLY VOLATILE
☐ J EXPLOSIVE
☐ K REACTIVE
☐ L INCOMPATIBLE
☐ M NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE	@200	gal/day	decanter sludge, WWTP filter cake
OLW	OILY WASTE	unknown		PCB?
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			phenols, cyanide, PCB
IOC	INORGANIC CHEMICALS			
ACD	ACIDS	unknown		pickle liquors
BAS	BASES	"		
MES	HEAVY METALS	"		slag, sludges

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

[illegible]

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

ISBH land and water pollution files.



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
IN D005462601

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION 02 ☐ OBSERVED (DATE _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 0 04 NARRATIVE DESCRIPTION

Geology on this site is poor for attenuation of pollutants. Soils are sandy and highly permeable. There are unlined lagoons and injection wells on site that could contaminate groundwater resources. See Item F.

01 ☒ B. SURFACE WATER CONTAMINATION 02 ☐ OBSERVED (DATE _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

Surface waters of Lake Michigan and the Grand Calumet River may be contaminated by the migration of pollutants in groundwater. See Item A.

01 ☒ C. CONTAMINATION OF AIR 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 10,000,000 04 NARRATIVE DESCRIPTION

There is potential for air contamination due to the nature of the industry on site, specifically, particulates of fly ash and baghouse dust, which may become airborne.

01 ☒ D. FIRE/EXPLOSIVE CONDITIONS 02 ☐ OBSERVED (DATE _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: > 1000 04 NARRATIVE DESCRIPTION

Oily wastes are stored in open lagoons. Volatile oils have been found in a manhole and in the ship canal (Nov. 82 & Aug. 80). Neither incident could be directly linked to J & L.

01 ☒ E. DIRECT CONTACT 02 ☒ OBSERVED (DATE 7/8/81) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 10,000,000 04 NARRATIVE DESCRIPTION

Oil was found leaking out of a PCB labeled transformer and down into the basement of a plant building where an outside contractor was working.

01 ☒ F. CONTAMINATION OF SOIL 02 ☒ OBSERVED (DATE 1973-1979+) ☒ POTENTIAL ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: ~ 7 04 NARRATIVE DESCRIPTION numerous occasions
(Acres)

Pickle liquor is disposed of in a shallow pit which is unlined and on sandy soils (approx. 2.5 million gallons/month) H_2SO_4 was dumped on plant property 1600 ft. from Lake Michigan. Terminal lagoon dredgings were "spread" on plant property and disposed of in west acid pits (4/12/78). There are phenols in coke plant sludge deposited on site.

01 ☒ G. DRINKING WATER CONTAMINATION 02 ☐ OBSERVED (DATE _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: > 139,130 04 NARRATIVE DESCRIPTION

See Items A & B. The drinking water source in this area is Lake Michigan. East Chicago water intakes are within 3 miles of the site.

01 ☒ H. WORKER EXPOSURE/INJURY 02 ☐ OBSERVED (DATE _____) ☒ POTENTIAL ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: > 20 04 NARRATIVE DESCRIPTION

See Item E.

01 ☒ I. POPULATION EXPOSURE/INJURY 02 ☐ OBSERVED (DATE _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 139,130 04 NARRATIVE DESCRIPTION

There is a potential for exposure through drinking water and surface water contamination. In addition, there is a potential for population exposure through consumption of fish from Lake Michigan.



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
IN D005462601

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☒ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL ☐ ALLEGED

See Item F.

01 ☒ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (include name(s) of species)

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL ☐ ALLEGED

Since this plant is located on the shore of Lake Michigan, there is a substantial potential for contamination of the lake's ecosystem.

01 ☒ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL ☐ ALLEGED

See Item K. Heavy metals entering surface waters may affect the food chain in Lake Michigan.

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES
(Spills/runoff/standing liquids/leaking drums)

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL ☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

On 2/26/81, pickle liquor sump overflowed to ground. Injection wells used on site. Acids were found entering waters of Lake Michigan from a broken pipe (6/26/80). PCB leakage on site 7/8/81. There were piles of baghouse dust on site which were not contained or sheltered.

01 ☒ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL ☐ ALLEGED

There is a potential for the migration of groundwater contaminants on site. Potential damage to the Indiana Harbor.

01 ☒ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: 9/10/78)

☐ POTENTIAL ☒ ALLEGED

Stray oil and phenol were found in area of sanitary and storm sewers. Coke plant liquor was discharged to city sewer (12/30/81). There is the potential for infiltration of contaminants to sewers.

01 ☒ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL ☐ ALLEGED

Discharge was coming underground from the lagoon to pumphouse. Acids and oils were discharged to Lake Michigan.

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

The plant was often observed as having very poor "housekeeping". There was trash, oil spills, etc. found on site. An acid pit was filled and abandoned by 5/12/81. J & L admitted that their pickle liquor lagoons were not operated according to regulations. Possible onsite storage of PCB.

III. TOTAL POPULATION POTENTIALLY AFFECTED: _____

IV. COMMENTS

This company had numerous air and water emission/effluent violations and appear to operate just inside the law. A RCRA inspection is a top priority.

V. SOURCES OF INFORMATION (Cite specific references, e.g., State files, sample analysis reports)

ISHH files.
E & E, Preliminary Assessment.

See Exhibit TDD

10-0097

Gen, TSD
Part A 80-11-18 C1

EXECUTIVE SUMMARY

Approved
by
Hak Cho
10/12/84

EPA ID# IND005462601

WINDSHIELD SURVEY YES X NO

Original Company Name: Indiana Harbor Wks

Revised Company Name: Indiana Harbor Wks., J & L Steel Corp.

Alias Names: Jones & Laughlin Steel Corp.

Original X Address: 3001 Dickey Rd.

Corrected East Chicago, IN 46312
Lake County

X Landfill X Generator X Treatment, Storage, Disposal (TSD)

 Transporter Other:

PRIORITY ASSESSMENT:

X HIGH MEDIUM LOW NO FURTHER ACTION (NONE)

CLASS:

 I-STATE LEAD X II-REM/FIT LEAD III-REM/FIT LEAD IV OTHER:
State Accompanies Limited On-site
FIT State Involvement

State Priority Assessment Justification: Geology at the J & L facility is very poor for the attenuation of pollutants. Soils are extremely porous, which creates a substantial potential for contamination of groundwater and nearby surface waters. The J & L Corp. has had numerous unsatisfactory inspection reports and a large number of violations for air and water standards. In addition, J & L has used questionable waste disposal practices on site for many years. For these reasons, a high priority assessment is assigned.

State Comments Re: PA X SI Follow-up SI RPS HRS
Since no monitoring wells exist on site, ground and surface water sampling is needed to confirm the presence of heavy metals and other contaminants. A complete composite of soil samples is needed to ascertain whether or not contamination exceeds acceptable limits. The current status and condition of disposal pits on site needs to be investigated.

STATE INVOLVEMENT

COMPLETE DOCUMENTS:

X Preliminary Assessments
 Site Inspection
 Follow-up Site Inspection
 Responsible Party Search
 Hazard Ranking System (HRS)

REVIEW DOCUMENTS:

 Preliminary Assessments
X Site Inspection
X Follow-up Site Inspection
X Responsible Party Search
X Hazard Ranking System (HRS)

Prepared by: Stephen Gentry

Phone: (317)243-5039

Date: 7/13/84